RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10 539,488

Source: PCT

Date Processed by STIC: 6-30-05

ENTERED

Serial Number: 10/539,488

CRF Edit Date: 6/30/05

Edited by: ZC

_____ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

_____ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

_____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

✓ Deleted: ✓ invalid beginning/end-of-file text ; _____ page numbers

_____ Inserted mandatory headings/numeric identifiers, specifically:

_____

_____ Moved responses to same line as heading/numeric identifier, specifically:

_____

_____ Other:

_____
_____
_____

Revised 09/09/2003

Raw Sequence Listing before editing,
for reference only

PCT

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     3 <110> APPLICANT: Agrinomics LLC
     5 <120> TITLE OF INVENTION: GENERATION OF PLANTS WITH ALTERED OIL CONTENT
     7 <130> FILE REFERENCE: 6616-71295-07
C-->  9 <140> CURRENT APPLICATION NUMBER: US/10/539,488
C-->  9 <141> CURRENT FILING DATE: 2005-06-17
     9 <150> PRIOR APPLICATION NUMBER: PCT/US2003/040992
    10 <151> PRIOR FILING DATE: 2003-12-18
    12 <150> PRIOR APPLICATION NUMBER: 60/434,795
    13 <151> PRIOR FILING DATE: 2002-12-18
    15 <160> NUMBER OF SEQ ID NOS: 5
    17 <170> SOFTWARE: PatentIn version 3.2
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    20 <211> LENGTH: 1482
    21 <212> TYPE: DNA
    22 <213> ORGANISM: Arabidopsis thaliana
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    29 caagatctcc aaaactttta cctctactta caaaacaacc acacatctct aaccatgttc       180
    31 ttcctttacc tcgctctcgg gtcgactctt tacctcatga cccggcccaa acccgtttat       240
    33 ctcgttgact ttagctgcta cctcccaccg tcgcatctca aagccagcac ccagaggatc       300
    35 atgcaacacg taaggcttgt acgagaagca ggcgcgtgga agcaagagtc cgattacttg       360
    37 atggacttct gcgagaagat tctagaacgt tccggtctag gccaagagac gtacgtaccc       420
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    41 gaagttatta ttggtgcggt cgataatctg tttcgcaaca cgggaataag ccctagtgat       540
    43 ataggtatat tggtggtgaa ttcaagcact tttaatccaa caccttcgct atcaagtatc       600
    45 ttagtgaata agtttaaact tagggataat ataaagagct tgaatcttgg tgggatgggg       660
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    49 acttatgctc ttgtggtgag cacggagaac atcactcaaa acttgtacat gggtaacaac       780
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    55 accggagcag atgaccgatc ctatgaatgt gcaactcaag aagaggatga agatggcata       960
    57 gttggggttt ccttgtcaaa gaatctacca atggtagctg caagaaccct aaagatcaat      1020
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    61 ttcgttaaaa agaagtttct caacccccaag ctaaagcatt acattccgga tttcaagctc      1140
    63 gcattcgagc atttctgtat ccatgcgggt ggtagagcgc taattgatga gatggagaag      1200
    65 aatcttcatc taactccact agacgttgag gcttcaagaa tgacattaca caggtttggt      1260
    67 aatacctctt cgagctccat ttggtacgag ttggcttaca cagaagccaa aggaaggatg      1320
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    71 gtttgggtgg ctcttcgtaa cgtcaagcct tctactaata atccttggga acagtgtcta      1440
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 88             20                  25                  30
 91 Val Glu Ala Ser Arg Leu Ser Thr Gln Asp Leu Gln Asn Phe Tyr Leu
 92         35                  40                  45
 95 Tyr Leu Gln Asn Asn His Thr Ser Leu Thr Met Phe Phe Leu Tyr Leu
 96     50                  55                  60
 99 Ala Leu Gly Ser Thr Leu Tyr Leu Met Thr Arg Pro Lys Pro Val Tyr
100 65                  70                  75                  80
103 Leu Val Asp Phe Ser Cys Tyr Leu Pro Pro Ser His Leu Lys Ala Ser
104             85                  90                  95
107 Thr Gln Arg Ile Met Gln His Val Arg Leu Val Arg Glu Ala Gly Ala
108             100                 105                 110
111 Trp Lys Gln Glu Ser Asp Tyr Leu Met Asp Phe Cys Glu Lys Ile Leu
112         115                 120                 125
115 Glu Arg Ser Gly Leu Gly Gln Glu Thr Tyr Val Pro Glu Gly Leu Gln
116         130                 135                 140
119 Thr Leu Pro Leu Gln Gln Asn Leu Ala Val Ser Arg Ile Glu Thr Glu
120 145                 150                 155                 160
123 Glu Val Ile Ile Gly Ala Val Asp Asn Leu Phe Arg Asn Thr Gly Ile
124             165                 170                 175
127 Ser Pro Ser Asp Ile Gly Ile Leu Val Val Asn Ser Ser Thr Phe Asn
128             180                 185                 190
131 Pro Thr Pro Ser Leu Ser Ser Ile Leu Val Asn Lys Phe Lys Leu Arg
132         195                 200                 205
135 Asp Asn Ile Lys Ser Leu Asn Leu Gly Gly Met Gly Cys Ser Ala Gly
136     210                 215                 220
139 Val Ile Ala Ile Asp Ala Ala Lys Ser Leu Leu Gln Val His Arg Asn
140 225                 230                 235                 240
143 Thr Tyr Ala Leu Val Val Ser Thr Glu Asn Ile Thr Gln Asn Leu Tyr
144             245                 250                 255
147 Met Gly Asn Asn Lys Ser Met Leu Val Thr Asn Cys Leu Phe Arg Ile
148             260                 265                 270
151 Gly Gly Ala Ala Ile Leu Leu Ser Asn Arg Ser Ile Asp Arg Lys Arg
152         275                 280                 285
155 Ala Lys Tyr Glu Leu Val His Thr Val Arg Val His Thr Gly Ala Asp
156     290                 295                 300
159 Asp Arg Ser Tyr Glu Cys Ala Thr Gln Glu Glu Asp Glu Asp Gly Ile
160 305                 310                 315                 320
163 Val Gly Val Ser Leu Ser Lys Asn Leu Pro Met Val Ala Ala Arg Thr
164             325                 330                 335
167 Leu Lys Ile Asn Ile Ala Thr Leu Gly Pro Leu Val Leu Pro Ile Ser
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176     370             375             380
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180 385             390             395             400
183 Asn Leu His Leu Thr Pro Leu Asp Val Glu Ala Ser Arg Met Thr Leu
184             405             410             415
187 His Arg Phe Gly Asn Thr Ser Ser Ser Ser Ile Trp Tyr Glu Leu Ala
188             420             425             430
191 Tyr Thr Glu Ala Lys Gly Arg Met Thr Lys Gly Asp Arg Ile Trp Gln
192         435             440             445
195 Ile Ala Leu Gly Ser Gly Phe Lys Cys Asn Ser Ser Val Trp Val Ala
196     450             455             460
199 Leu Arg Asn Val Lys Pro Ser Thr Asn Asn Pro Trp Glu Gln Cys Leu
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204             485             490
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208 <211> LENGTH: 657
209 <212> TYPE: DNA
210 <213> ORGANISM: Glycine max
213 <220> FEATURE:
214 <221> NAME/KEY: misc_feature
215 <222> LOCATION: (653)..(654)
216 <223> OTHER INFORMATION: n is a, c, g, or t
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223 acatcacaac actaggaccc ttggtcctcc ctatgtcaga acagcttctt ttctttgcca    180
225 cattggtggc taggaaagtg ttcaagatga agataaaacc atacatccca gatttcaagt    240
227 tggcctttga gcatttttgc attcatgctg gagggagggc agtgttggat gagttggaga    300
229 agaatcttga gctctctgat tggcacatgg agccctcaag gatgacacta aataggtttg    360
231 gtaacacttc tagcagttcc ttgtggtatg aattggccta cactgaagcc aaagggagga    420
233 tcaagaaagg tgacaggact tggcagattg catttgggtc agggtttaag tgcaacagtg    480
235 ctgtgtggag ggctttgagg accatcaatc ctgctaagga gaacaatcct tggatggatg    540
237 agattcatga ctttccagtt catgtgccta aagtggcacc aattgcttcc taaattaatc    600
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252 aagtaccggc ttgtccacgt cgtgaggact catcgcgggg ccgacgacaa ggcgttccgg    180
254 tgtgtttacc aggagcagga tgatgctggg aaaactggtg tttccttgtc taaggatttg    240
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258 ccaattagtg agcagcttct gtttttcgtg actctgctga tgaacaagtt atttaaggct    360
260 ggtgtgaagc cttacatacc ggatttcaag cttgcatttg atcatttttg tatccatgct    420
262 ggtggcaggg ctgtgattga tgagttggag aagaacctgc agctgcttcc tgagcatgtg    480
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RAW SEQUENCE LISTING   DATE: 06/30/2005
PATENT APPLICATION: US/10/539,488   TIME: 15:26:15

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Output Set: **N:\CRF4\06302005\J539488.raw**

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268 gcgtttggaa gtggtttcaa gtgtaacagt gcggtttggc aggctctgag gaatgtgagg    660
270 ccttctccta atggaccatg ggaagattgc attcataagt atcctgtgga aatagtcaca    720
272 tagtgatcat agttcagttc agttctcagt cacatactct ggctgctaca acttaattca    780
274 gggtaccctt cattagtttc cagatccatt gtctctctct ctgttgtaga tttcattgtg    840
276 taattcactg cctcttttgt gtttgatgat tgtggatttt cattgggtta aattcatgta    900
278 tctggagtaa tatgatatgg ggaattcctg aatttttttt cttcctgctg atgcacttat    960
280 gaatttttat tttttagtc ataaagttgc gcctgggtaa cgaggcgctt ataggccccg   1020
282 atgcgaaaat actcctttga catatgtagg ggtgacggta ccactgccca ataattctct   1080
284 cccatatttt tacgcaacga ggacccttta gcctcgcgga ccagagctgc               1130
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297 gctccaagta ccaactcatc cacaccgtac gaacccacaa aggagccgac gacaaatgct    180
299 acaactgcgt cttccaacgt gaggacgaca ccaaacgaat aggcgtttcc ctctccaaag    240
301 acctcatggc ggtcgccggc gaagccctca aaaccaacat caccaccctc ggtccattag    300
303 tcctccccat gtccgaacaa ctcctctttt tcatcacttt agtagcccga aaagtcttca    360
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309 acatggaacc atcgaggatg acactttaca ggttcggtaa cacgtcgagc agctctttat    540
311 ggtacgaact agcttactcg gaagccaaag gaaggatccg aaaaggtgat cggacatggc    600
313 agattgcatt cgggtcaggg tttaaatgca acagtgctgt atggaaagca ttgaagacca    660
315 ttaatccagc aaaggagaag agtccatgga ttgatgaaat tgatgaatat cctgtttatg    720
317 tgcctaaggt ggccactgtt tcttcttctt cttcttccca aaaaaccata taattttcat    780
319 cattcaaagg aagagaatag agagaaagag aggacttaat cagtaattat tagaactatg    840
321 atttattttt tatttttta catgtttaat tgtgtgttga tttgaagatt aatttattcc    900
323 aagttgaaga tatatatata taattttctt ttcatttgca aaaaaaaaa aagaaactcg    960
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 06/30/2005
PATENT APPLICATION: US/10/539,488   TIME: 15:26:16

Input Set : **A:\pto.kd.txt**
Output Set: **N:\CRF4\06302005\J539488.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 653,654

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/539,488

DATE: 06/30/2005
TIME: 15:26:16

Input Set : **A:\pto.kd.txt**
Output Set: **N:\CRF4\06302005\J539488.raw**

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:600